Safety Attribute Inspection (SAI) Data Collection Tool
1.1.2 Appropriate Operational Equipment (AW)

ELEMENT SUMMARY INFORMATION

Purpose of This Element (Certificate Holder's responsibility):

- To ensure that the Certificate Holder's aircraft are equipped in accordance with the applicable regulations to conduct safe operation over the intended route.

Objective (FAA oversight responsibility):

- To determine if the Certificate Holder's Appropriate Operational Equipment process meets all applicable requirements of the Federal Aviation Regulations and FAA policies.
- To determine if the Certificate Holder's Appropriate Operational Equipment process incorporates the System Safety Attributes.
- To identify any shortfalls in the Certificate Holder's Appropriate Operational Equipment process.

Specific Instructions:

- Intentionally left blank

SUPPLEMENTAL INFORMATION

Specific Regulatory Requirement(s) (SRRs):

- SRRs:
  121.135(a)(1)
  121.135(b)(1)
  121.135(b)(2)
  121.135(b)(3)
  121.309(a)
  121.310(a)
  121.323(a)
  121.323(b)
  121.323(c)
  121.323(d)
  121.325(a)
  121.325(b)
  121.325(c)
  121.327(b)(1)
  121.327(b)(2)
  121.327(b)(3)

121.327(c)(1)
121.327(c)(2)
121.327(c)(3)
121.339(a)(1)
121.339(a)(2)
121.339(a)(3)
121.339(a)(4)
121.339(c)
121.340(a)
121.347(a)(1)
121.347(a)(2)
121.347(a)(3)
121.349(a)
121.351(a)
121.353(a)
121.353(b)
121.353(c)

Related CFR(s) & FAA Policy/Guidance:

- Related CFRs:
  121.337(b)
  121.337(b)(8)
  121.337(b)(9)(i)
  121.337(b)(9)(ii)
  121.337(b)(9)(iii)
  121.571(b)(1)
  121.571(b)(2)
  121.585(d)

- FAA Policy/Guidance:
  AC 121−24B
  AC 120−28D

SAI SECTION 1 − PROCEDURES ATTRIBUTE		
Objective: Procedures, instructions and information contained in Certificate Holder's manual are documented methods for accomplishing a process. Policies contained in the Certificate Holder's manual should establish the Certificate Holder's compliance posture. Policies may not be stand−alone statements but may be imbedded within procedures, instructions or information regarding a particular regulatory requirement. The questions in this section of the data collection tool are designed to assist the inspector in determining if the Certificate Holder's manual has documented or prescribed methods of accomplishing the process requirements that provide answers to the associated who, what, when, where and how type questions. This section of the data collection tool contains policy questions, procedural questions and instructional or informational questions pertaining to various types of Certificate Holder requirements such as actions, prohibitions or resources (i.e., personnel, facilities, equipment, technical data, etc.).		
Tasks		
	To meet this objective, the inspector must accomplish the following tasks:	
1	Review the information listed in the Supplemental Information section of this data collection tool.	
2	Review the duties and responsibilities for management and other personnel identified by the Certificate Holder who accomplish the Appropriate Operational Equipment process.	
3	Review the Certificate Holder's manual to ensure that it contains policies, procedures, instructions and information necessary for the Appropriate Operational Equipment process.	
Questions		
	To meet this objective, the inspector must answer the following questions:	
1	Does the Certificate Holder's manual content meet the specific regulatory and FAA policy requirements for an Appropriate Operational Equipment process:	
1.1	Does the Certificate Holder's manual contain general policies for the Appropriate Operational Equipment process that comply with the specific regulatory requirements? SRRs: 121.135(b)(1)	☐ Yes ☐ No, Explain
1.2	Does the Certificate Holder's manual cite the regulatory requirements listed in the Supplemental Information section of this SAI? SRRs: 121.135(b)(3)	☐ Yes ☐ No, Explain
1.3	Does the Certificate Holder's manual contain the duties and responsibilities for personnel who will accomplish the Appropriate Operational Equipment process? SRRs: 121.135(b)(2)	☐ Yes ☐ No, Explain
1.4	Does the Certificate Holder's manual include instructions and information for personnel to meet the requirements of the Appropriate Operational Equipment process? SRRs: 121.135(a)(1)	☐ Yes ☐ No, Explain
1.5	Does the Certificate Holder's inspection program and its program covering other maintenance, preventive maintenance, and alterations ensure the airworthiness of the emergency equipment required by 14 CFR Section 121.309? SRRs: 121.309(a) *Related Design JTI's:*	☐ Yes ☐ No, Explain

1. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide, in aircraft having passenger seats accommodating more than 30 but fewer than 61 passengers, at least two hand fire extinguishers uniformly distributed throughout each compartment.
   Sources: 121.309(c)(5)(ii); 121.135(a)(1)
   Interfaces: 1.1.1−aw; 3.1.2−op
2. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide, in aircraft having passenger seats accommodating 61 through 200 passengers, at least three hand fire extinguishers uniformly distributed throughout each compartment.
   Sources: 121.309(c)(5)(iii); 121.135(a)(1)
   Interfaces: 3.1.2−op; 1.1.1−aw
3. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide, in aircraft having passenger seats accommodating more than 200 but fewer than 301 passengers, at least four hand fire extinguishers uniformly distributed throughout each compartment.
   Sources: 121.309(c)(5)(iii); 121.135(a)(1)
   Interfaces: 1.1.1−aw; 3.1.2−op
4. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide, in aircraft having passenger seats accommodating more than 300 but fewer than 401 passengers, at least five hand fire extinguishers uniformly distributed throughout each compartment.
   Sources: 121.309(c)(5)(iii); 121.135(a)(1)
   Interfaces: 1.1.1−aw; 3.1.2−op
5. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide, in aircraft having passenger seats accommodating more than 400 but fewer than 501 passengers, at least six hand fire extinguishers uniformly distributed throughout each compartment.
   Sources: 121.309(c)(5)(iii); 121.135(a)(1)
   Interfaces: 1.1.1−aw; 3.1.2−op

6. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide, in aircraft having passenger seats accommodating more than 500 but fewer than 601 passengers, at least seven hand fire extinguishers uniformly distributed throughout each compartment.
Sources: 121.309(c)(5)(iii); 121.135(a)(1)
Interfaces: 1.1.1−aw; 3.1.2−op
7. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide, in aircraft having passenger seats accommodating more than 600 passengers, at least eight hand fire extinguishers uniformly distributed throughout each compartment.
Sources: 121.309(c)(5)(iii); 121.135(a)(1)
Interfaces: 3.1.2−op; 1.1.1−aw
8. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide a passenger carrying airplane, where a galley is located in a passenger compartment, with at least one hand fire extinguisher conveniently located and easily accessible for use in the galley.
Sources: 121.309(c)(6); 121.135(a)(1)
Interfaces: 1.1.1−aw; 3.1.2−op
9. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide passenger−carrying airplanes with at least two of the required hand fire extinguishers containing Halon 1211 (bromochlorofluoromethane) or equivalent as the extinguishing agent.
Sources: 121.309(c)(7); 121.135(a)(1)
Interfaces: 1.1.1−aw; 3.1.2−op
10. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to provide a passenger−carrying airplanes with at least one hand fire extinguisher in the passenger compartment containing Halon 1211 (bromochlorofluoromethane) or equivalent as the extinguishing agent.
Sources: 121.309(c)(7); 121.135(a)(1)

Interfaces: 1.1.1−aw; 3.1.2−op

11. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to equip each passenger carrying airplane with first−aid kit/s that are readily accessible to the crew.
Sources: 121.135(a)(1); 121.309(a); 121.309(b)(2); 121.309(d)(1)(i)
Interfaces: 1.1.1−aw; 3.1.2−op
12. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to equip each passenger carrying airplane with first−aid kit/s, that when located in the cabin, are readily accessible to passengers.
Sources: 121.135(a)(1); 121.309(a); 121.309(b)(2); 121.309(d)(1)(i)
Interfaces: 1.1.1−aw; 3.1.2−op
13. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, on passenger carrying airplanes, to clearly identify first−aid kit/s.
Sources: 121.135(a)(1); 121.309(b)(3); 121.309(d)(1)(i)
Interfaces: 1.1.1−aw; 3.1.2−op
14. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, on passenger carrying airplanes, if first aid kits are carried in a compartment or container, to mark the compartment or container as to contents.
Sources: 121.367; 121.309(b)(4); 121.309(d)(1)(i)
Interfaces: 1.1.1−aw; 3.1.2−op
15. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that, on passenger carrying airplanes, when first aid kits are carried in a compartment or container, the compartment or container, or the first−aid kit itself, is marked as to date of last inspection.
Sources: 121.367; 121.309(d)(1)(i); 121.309(b)(4)
Interfaces: 1.1.1−aw; 3.1.2−op
16. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their

duty and responsibility to equip each airplane, having 0 to 50 passenger seats, with at least 1 approved first−aid kit.
Sources: 121 App..AFirst Aid Kits 3; 121.309(a); 121.309(d)(1)(i); 121.135(a)(1)
Interfaces: 3.1.2−op; 1.1.1−aw

17. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to equip each airplane, having 51 to 150 passenger seats, with at least 2 approved first−aid kits.
Sources: 121.135(a)(1); 121.309(a); 121.309(d)(1)(i); 121 App..AFirst Aid Kits 3
Interfaces: 1.1.1−aw; 3.1.2−op
18. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to equip each airplane, having 151 to 250 passenger seats, with at least 3 approved first−aid kits.
Sources: 121.135(a)(1); 121.309(a); 121.309(d)(1)(i); 121 App..AFirst Aid Kits 3
Interfaces: 3.1.2−op; 1.1.1−aw
19. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to equip each airplane, having more than 250 passenger seats, with at least 4 approved first−aid kits.
Sources: 121.135(a)(1); 121.309(a); 121.309(d)(1)(i); 121 App..AFirst Aid Kits 3
Interfaces: 1.1.1−aw; 3.1.2−op
20. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to distribute the required first−aid kits as evenly as practicable throughout the aircraft.
Sources: 121.135(a)(1); 121.309(d)(1)(i); 121 App..AFirst Aid Kits 2
Interfaces: 1.1.1−aw; 3.1.2−op
21. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to meet the requirement that each first−aid kit is dust and moisture proof.
Sources: 121.135(a)(1); 121.309(d)(1)(i); 121 App..AFirst Aid Kits 1
Interfaces: 3.1.2−op; 1.1.1−aw

22. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to equip each airplane operated, for which a flight attendant is required, with one emergency medical kit.
Sources: 121.135(a)(1); 121.309(a); 121.309(d)(1)(ii); 121 App..AEmergency Medical Kits 2
Interfaces: 3.2.1−op; 1.1.1−aw

23. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to equip each passenger carrying airplane for which a flight attendant is required with emergency medical kit/s that are readily accessible to the crew.
Sources: 121.135(a)(1); 121.309(a); 121.309(b)(2); 121 App..AEmergency Medical Kits 2; 121.309(d)(1)(ii)
Interfaces: 1.1.1−aw; 3.2.1−op

24. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to equip each passenger carrying airplane for which a flight attendant is required, with emergency medical kit/s, that when located in the cabin, are readily accessible to passengers.
Sources: 121.135(a)(1); 121.309(a); 121.309(b)(2); 121.309(d)(1)(ii)
Interfaces: 1.1.1−aw; 3.2.1−op

25. Check that the Certificate Holder's manual includes instructions and information necessary, on each passenger carrying airplane in which a flight attendant is required, to allow the personnel concerned to perform their duty and responsibility, to clearly identify Emergency Medical kit/s.
Sources: 121.135(a)(1); 121.309(b)(3); 121.309(d)(1)(ii)
Interfaces: 1.1.1−aw; 3.2.1−op

26. Check that the Certificate Holder's manual includes instructions and information necessary, on each passenger carrying airplane in which a flight attendant is required, to allow the personnel concerned to perform their duty and responsibility, to mark as to contents, the compartment or container in which emergency medical kit/s are carried.
Sources: 121.135(a)(1); 121.309(b)(4);

121.309(d)(1)(ii)
Interfaces: 1.1.1−aw; 3.2.1−op

27. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that each medical kit is stored securely so as to keep it free from dust, moisture, and damaging temperatures.
Sources: 121.367; 121 App..AEmergency Medical Kits 1
Interfaces: 1.1.1−aw
28. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to equip each passenger carrying airplane operated with pairs of protective latex gloves, or equivalent nonpermeable gloves, equal in number to the number of first aid kits on board the aircraft.
Sources: 121.135(a)(1); 121.309(a); 121.309(d)(2)
Interfaces: 3.2.1−op; 1.1.1−aw
29. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to distribute pairs of latex gloves, or equivalent nonpermeable gloves, equal in number to the first aid kits, as evenly as practicable throughout the cabin of the aircraft.
Sources: 121.135(a)(1); 121.309(d)(2)
Interfaces: 1.1.1−aw; 3.2.1−op
30. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to equip each airplane operated with a crash ax.
Sources: 121.135(a)(1); 121.309(a); 121.309(e)
Interfaces: 1.1.1−aw; 3.1.3−op
31. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to equip each passenger−carrying airplane, with a seating capacity of more than 60 and less than 100 passengers, with portable battery−powered megaphone located at the most rearward location in the passenger cabin where it is readily accessible to a normal flight attendant seat.
Sources: 121.135(a)(1); 121.309(a); 121.309(f)(1)
Interfaces: 3.2.1−op; 1.1.1−aw
32.

Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to equip each passenger−carrying airplane, with a seating capacity of more 99 passengers, with two battery powered megaphones in the passenger cabin, one installed at the forward end and the other at the most rearward location where it is readily accessible to a normal flight attendant seat.
Sources: 121.135(a)(1); 121.309(a); 121.309(f)(2)
Interfaces: 1.1.1−aw; 3.2.1−op

33. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to equip each passenger carrying airplane with megaphones that are readily accessible to the crew.
Sources: 121.135(a)(1); 121.309(a); 121.309(b)(2); 121.309(f)
Interfaces: 1.1.1−aw; 3.2.1−op
34. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to clearly identify each megaphone in passenger carrying airplanes.
Sources: 121.135(a)(1); 121.309(b)(3); 121.309(f)
Interfaces: 1.1.1−aw; 3.2.1−op
35. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to clearly mark the method of operation of each megaphone in passenger carrying airplanes.
Sources: 121.135(a)(1); 121.309(b)(3); 121.309(f)
Interfaces: 3.2.1−op; 1.1.1−aw
36. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to mark as to contents, the compartment or container in which megaphones are carried in passenger carrying airplanes.
Sources: 121.135(a)(1); 121.309(b)(4); 121.309(f)
Interfaces: 1.1.1−aw; 3.2.1−op
37. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that, on passenger carrying airplanes, when megaphones are carried in a compartment or container, that the compartment or

container, or the megaphone itself, is marked as to date of last inspection.
Sources: 121.367; 121.309(b)(4); 121.309(f)
Interfaces: 1.1.1−aw; 3.2.1−op

38. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide aircraft with hand fire extinguishers, of an approved type, containing the type and quantity of extinguishing agent suitable for the kinds of fires likely to occur in the compartment where the extinguisher is intended to be used.
Sources: 121.135(a)(1); 121.309(c)(1)
Interfaces: 1.1.1−aw

39. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide aircraft with at least one hand fire extinguisher, conveniently located, that is accessible to crewmembers during flight, for use in each Class E cargo compartment.
Sources: 121.135(a)(1); 121.309(c)(2)
Interfaces: 1.1.1−aw; 3.1.2−op

40. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide aircraft with at least one hand fire extinguisher, conveniently located, for use in each galley located in a compartment other than a passenger, cargo, or crew compartment.
Sources: 121.309(c)(3); 121.135(a)(1)
Interfaces: 3.1.2−op; 1.1.1−aw

41. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide aircraft with at least one hand fire extinguisher, conveniently located, on the flight deck for use by the flightcrew.
Sources: 121.309(c)(4); 121.135(a)(1)
Interfaces: 1.1.1−aw; 3.1.2−op

42. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility to provide, in aircraft having passenger seats accommodating more than 6 but fewer than 31 passengers, at least one hand fire extinguisher.
Sources: 121.309(c)(5)(i); 121.135(a)(1)

	Interfaces: 1.1.1−aw; 3.1.2−op	
1.6	Does the Certificate Holder's inspection program and its program covering other maintenance, preventive maintenance, and alterations ensure the airworthiness of the emergency equipment required by 14 CFR Section 121.310? SRRs: 121.310(a) *Related Design JTI's:* 1. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that each passenger−carrying landplane emergency exit (other than over−the−wing) that is more than 6 feet from the ground with the airplane on the ground and the landing gear extended, has an approved means to assist the occupants in descending to the ground. *Sources:* 121.310(a); 121.367 *Interfaces:* 3.2.3−op; 1.1.1−aw; 3.2.1−op 2. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that each passenger−carrying airplane with flight attendant seats, is equipped with flashlight stowage provisions accessible from each flight attendant seat. *Sources:* 121.310(l); 121.367 *Interfaces:* 1.1.1−aw; 3.2.1−op 3. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, for each passenger carrying airplane, to have an approved self−supporting slide or equivalent at each non over−wing Type A, Type B or Type C exit that is more than 6 feet from the ground with the airplane on the ground and the landing gear extended to assist the occupants in descending to the ground. *Sources:* 121.135(a)(1); 121.310(a); 25.810(a)(1) *Interfaces:* 2.1.5−aw; 2.1.4−aw; 2.1.1−aw; 2.1.2−aw; 2.1.3−aw; 2.1.5−op; 2.1.4−op; 1.1.1−aw; 2.1.3−op; 2.1.2−op; 2.1.1−op 4. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to equip each passenger carrying airplane, at each non over−wing Type A, Type B or Type C exit, with approved self−supporting slides or equivalent that are readily accessible to the crew. *Sources:* 121.135(a)(1); 121.310(a); 121.309(b)(2); 25.810(a)(1) *Interfaces:* 3.1.2−op; 3.1.3−op; 1.1.1−aw 5. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to clearly identify each approved self−supporting slides or equivalent, at each non over−wing Type A, Type B or Type C exit. *Sources:* 121.135(a)(1); 121.310(a); 25.810(a)(1); 121.309(b)(3) *Interfaces:* 1.1.1−aw; 3.1.2−op; 3.1.3−op 6. Check that the Certificate Holder's manual includes instructions and	☐ Yes ☐ No, Explain

information necessary to allow the personnel concerned to perform their duty and responsibility, to clearly mark the method of operation of each approved self−supporting slides or equivalent, at each non over−wing Type A, Type B or Type C exit.
Sources: 121.135(a)(1); 121.310(a); 25.810(a)(1); 121.309(b)(3)
Interfaces: 1.1.1−aw; 3.1.3−op; 3.1.2−op

7. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to mark as to contents, the compartment or container in which each approved self−supporting slides or equivalent is carried.
Sources: 121.135(a)(1); 121.310(a); 25.810(a)(1); 121.309(b)(4)
Interfaces: 1.1.1−aw; 3.1.2−op; 3.1.3−op
8. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that, on passenger carrying airplanes, the compartment or container in which each approved self−supporting slides or equivalent is carried is marked as to the date of last inspection.
Sources: 121.367; 121.310(a); 25.810(a)(1); 121.309(b)(4)
Interfaces: 1.1.1−aw; 3.1.2−op
9. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility that, if the assisting means for flightcrew emergency exits is a rope or an approved device equivalent to a rope, it is readily accessible to the crew.
Sources: 121.135(a)(1); 121.310(a); 25.810(a)(2); 121.309(b)(2)
Interfaces: 3.1.3−op
10. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility clearly identify the rope, or an approved device equivalent to a rope, for flightcrew emergency exits.
Sources: 121.135(a)(1); 121.310(a); 25.810(a)(2); 121.309(b)(3)
Interfaces: 3.1.3−op
11. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, clearly mark the method of operation of each rope, or approved device equivalent to a rope for flightcrew emergency exits.
Sources: 121.135(a)(1); 121.310(a); 121.309(b)(3); 25.810(a)(2)
Interfaces: 3.1.3−op
12. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, if the rope or approved device equivalent to a rope for flightcrew emergency exits, if carried in a compartment or container, to mark as to contents the compartment or container in which each rope, or approved device equivalent to a rope is carried.
Sources: 121.135(a)(1); 121.310(a); 25.810(a)(2); 121.309(b)(4)
Interfaces: 3.1.3−op

13. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that, the compartment or container in which each rope, or approved device equivalent to a rope for flightcrew emergency exits is carried is marked as to the date of last inspection. *Sources:* 121.367; 121.310(a); 25.810(a)(2); 121.309(b)(4) *Interfaces:* 1.1.1−aw; 3.1.3−op	
1.7 Does the Certificate Holder's inspection program and its program covering other maintenance, preventive maintenance, and alterations ensure the airworthiness of the following equipment required for operations at night: SRRs: 121.323(a)	
1.7.1 Position lights? SRRs: 121.323(a)	☐ Yes ☐ No, Explain
1.7.2 An anti−collision light? SRRs: 121.323(b)	☐ Yes ☐ No, Explain
1.7.3 Two landing lights? SRRs: 121.323(c)	☐ Yes ☐ No, Explain
1.7.4 Instrument lights? SRRs: 121.323(d)	☐ Yes ☐ No, Explain
1.8 Does the Certificate Holder's inspection program and its program covering other maintenance, preventive maintenance, and alterations ensure the airworthiness of the following instruments and equipment required for operation of the Certificate Holder's aircraft under IFR or over−the−top operations:	
1.8.1 An airspeed indicating system with heated pitot tube or equivalent means for preventing malfunctioning due to icing? SRRs: 121.325(a)	☐ Yes ☐ No, Explain
1.8.2 A sensitive altimeter? SRRs: 121.325(b)	☐ Yes ☐ No, Explain
1.8.3 Instrument lights providing enough light to make each required instrument, switch, or similar instrument, easily readable and so installed that the direct rays are shielded from the flight crewmembers' eyes and that no objectionable reflections are visible to them, and a means of controlling the intensity of illumination unless it is shown that nondimming instrument lights are satisfactory? SRRs: 121.325(c)	☐ Yes ☐ No, Explain
1.9 Does the Certificate Holder's inspection program and its program covering other maintenance, preventive maintenance, and alterations ensure adequate supplemental oxygen is furnished:	
1.9.1 For each member of the flight crew on flight deck duty? SRRs: 121.327(b)(1); 121.327(b)(2); 121.327(b)(3) *Related Design JTI's:* 1. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane at cabin pressure altitudes above 10,000 feet up to and including 12,000 feet, to allow the personnel concerned to perform their duty and responsibility to provide oxygen for each	☐ Yes ☐ No, Explain

crewmember for that part of the flight at those altitudes that is of more than 30 minutes duration.
Sources: 121.135(a)(1); 121.327(b)(1)
Interfaces: 3.1.3−op

2. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane at cabin pressure altitudes above 12,000 feet, to allow the personnel concerned to perform their duty and responsibility to provide oxygen for each member of the flight crew on flight deck duty, and for other crewmembers, during the entire flight time at those altitudes.
Sources: 121.135(a)(1); 121.327(b)(2)
Interfaces: 3.1.3−op
3. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane, to allow the personnel concerned to perform their duty and responsibility to provide an amount of supplemental oxygen and dispensing equipment for standby crewmembers, who are on call, or are definitely going to have flight deck duty before completing the flight, equal to that provided for all other crewmembers.
Sources: 121.135(a)(1); 121.329(b)(3); 121.329(a)
Interfaces: 3.1.3−op
4. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane with a pressurized cabin at flight altitudes above 10,000 feet, to allow the personnel concerned to perform their duty and responsibility to provide enough oxygen for each crewmember for the entire flight at those altitudes.
Sources: 121.135(a)(1); 121.331(a); 121.331(b)
Interfaces: 3.1.3−op
5. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane with a pressurized cabin, at flight altitudes above 10,000 feet, to allow the personnel concerned to perform their duty and responsibility to provide not less than a two−hour supply of oxygen for each flight crewmember on flight deck duty.
Sources: 121.135(a)(1); 121.331(a); 121.331(b)
Interfaces: 3.1.3−op
6. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin at flight altitudes above 10,000 feet, and at cabin pressure altitudes above 10,000 feet up to and including 12,000 feet, to allow the personnel concerned to perform their duty and responsibility to provide sustaining oxygen and dispensing equipment for all crewmembers for that part of the flight at those altitudes that is of more than 30 minutes duration, but not less than a two−hour supply for each flight crewmember on flight deck duty.
Sources: 121.135(a)(1); 121.333(a); 121.333(b); 121.329(b)(1); 121.329(a)

Interfaces: 3.1.3−op 7. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin at flight altitudes above 12,000 feet, to allow the personnel concerned to perform their duty and responsibility to provide sustaining oxygen and dispensing equipment for all crewmembers, but not less than a two−hour supply for each flight crewmember on flight deck duty. *Sources:* 121.135(a)(1); 121.333(a); 121.333(b); 121.329(b)(2); 121.329(a) *Interfaces:* 3.1.3−op 8. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin at flight altitudes above flight level 250, to allow the personnel concerned to perform their duty and responsibility to provide an approved oxygen mask for each flight crewmember on flight deck duty. *Sources:* 121.135(a)(1); 121.333(a); 121.333(c)(1) *Interfaces:* 3.1.3−op	
1.9.2 For each passenger carried? SRRs: 121.327(c)(1); 121.327(c)(2); 121.327(c)(3) *Related Design JTI's:* 1. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin, following descent from cabin pressure altitudes above flight level 250, to allow the personnel concerned to perform their duty and responsibility to provide an appropriate number of acceptable dispensing units, but in no case less than two, with a means for the cabin attendants use, for first−aid treatment of occupants who, for physiological reasons might require undiluted oxygen. *Sources:* 121.135(a)(1); 121.333(a); 121.333(e)(3) *Interfaces:* 3.1.2−op; 3.1.3−op 2. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane for flights of more than 30 minutes duration at cabin pressure altitudes above 8,000 feet up to and including 14,000 feet, to allow the personnel concerned to perform their duty and responsibility to provide enough oxygen, approved for passenger safety, for 30 minutes for 10 percent of the passengers. *Sources:* 121.135(a)(1); 121.327(c)(1) *Interfaces:* 3.1.3−op 3. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane at cabin pressure altitudes above 14,000 feet up to and including 15,000 feet, to allow the personnel concerned to perform their duty and responsibility, to provide enough oxygen, approved for passenger safety, for 30 percent of the passengers. *Sources:* 121.135(a)(1); 121.327(c)(2)	☐ Yes ☐ No, Explain

Interfaces: 3.1.3−op

4. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane, at cabin pressure altitudes above 15,000 feet, to allow the personnel concerned to perform their duty and responsibility, to provide enough oxygen, approved for passenger safety, for each passenger carried during the entire flight at those altitudes.
   Sources: 121.135(a)(1); 121.327(c)(3)
   Interfaces: 3.1.3−op
5. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane at cabin pressure altitudes above 10,000 feet up to and including 14,000 feet, to allow the personnel concerned to perform their duty and responsibility, to provide a supply of oxygen for passengers for that part of the flight, at those altitudes that is of more than 30 minutes duration for 10 percent of the passengers.
   Sources: 121.135(a)(1); 121.329(c)(1); 121.329(a)
   Interfaces: 3.1.3−op
6. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane at cabin pressure altitudes above 14,000 feet, up to and including 15,000 feet, to allow the personnel concerned to perform their duty and responsibility, to provide a supply of oxygen for passengers for that part of the flight at those altitudes for 30 percent of the passengers.
   Sources: 121.135(a)(1); 121.329(c)(2); 121.329(a)
   Interfaces: 3.1.3−op
7. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane, at cabin pressure altitudes above 15,000 feet, to allow the personnel concerned to perform their duty and responsibility to provide a supply of oxygen for each passenger carried during the entire flight.
   Sources: 121.135(a)(1); 121.329(c)(3); 121.329(a)
   Interfaces: 3.1.3−op
8. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane with a pressurized cabin, at flight altitudes above 8,000 feet, up to and including flight level 250, and at any point along the route the airplane can safely descend to a flight altitude of 14,000 feet or less within four minutes, to allow the personnel concerned to perform their duty and responsibility to provide oxygen for 10 percent of the passengers for 30 minutes.
   Sources: 121.135(a)(1); 121.331(a); 121.331(c)(1)
   Interfaces: 3.1.3−op
9. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane with a pressurized cabin, and the aircraft can not descend to an altitude of 14,000 feet or less within four minutes, to

allow the personnel concerned to perform their duty and responsibility to provide enough oxygen for passengers for that part of the flight that is more than four minutes duration at flight altitudes above 15,000 feet.
Sources: 121.135(a)(1); 121.331(a); 121.331(c)(2)(i)
Interfaces: 3.1.3−op

10. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane with a pressurized cabin, and the aircraft can not descend to an altitude of 14,000 feet or less within four minutes, to allow the personnel concerned to perform their duty and responsibility to provide enough oxygen for 30 percent of the passengers for that part of the flight at flight altitudes above 14,000 feet, up to and including 15,000 feet.
Sources: 121.135(a)(1); 121.331(a); 121.331(c)(2)(ii); 121.327(c)(2)
Interfaces: 3.1.3−op
11. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane with a pressurized cabin, and the aircraft can not descend to an altitude of 14,000 feet or less within four minutes, to allow the personnel concerned to perform their duty and responsibility to provide enough oxygen for 30 minutes for 10 percent of the passengers for flight altitudes above 8,000 feet up to and including 14,000 feet.
Sources: 121.135(a)(1); 121.331(c)(2)(iii); 121.331(a)
Interfaces: 3.1.3−op
12. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane with a pressurized cabin at a flight altitude above flight level 250, to allow the personnel concerned to perform their duty and responsibility to provide enough oxygen for 30 minutes for 10 percent of the passengers for the entire flight (including emergency descent) above 8,000 feet, up to and including 14,000 feet.
Sources: 121.135(a)(1); 121.331(a); 121.331(c)(3)
Interfaces: 3.1.3−op
13. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane with a pressurized cabin at a flight altitude above flight level 250, to allow the personnel concerned to perform their duty and responsibility to provide enough oxygen for flights at cabin pressure altitudes above 14,000 feet up to and including 15,000 feet, for that part of the flight at those altitudes for 30 percent of the passengers.
Sources: 121.135(a)(1); 121.331(a); 121.331(c)(3); 121.327(c)(2)
Interfaces: 3.1.3−op
14. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a reciprocating engine powered airplane with a pressurized cabin at a flight altitude above flight level 250, to allow the personnel concerned to perform their

duty and responsibility to provide enough oxygen for flights at cabin pressure altitudes above 15,000 feet for each passenger carried during the entire flight at those altitudes.
Sources: 121.135(a)(1); 121.331(a); 121.331(c)(3); 121.327(c)(3)
Interfaces: 3.1.3−op

15. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin, certificated to operate at flight altitudes up to and including flight level 250, and can at any point along the route to be flown, descend safely to a flight altitude of 14,000 feet or less within four minutes, to allow the personnel concerned to perform their duty and responsibility to provide oxygen for a 30−minute period for at least 10 percent of the passenger cabin occupants.
Sources: 121.135(a)(1); 121.333(a); 121.333(e)(1)
Interfaces: 3.1.3−op
16. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin at flight altitudes up to and including flight level 250, and cannot descend safely to a flight altitude of 14,000 feet within four minutes, to allow the personnel concerned to perform their duty and responsibility to provide oxygen for not less than 10 percent of the passenger cabin occupants for the entire flight after cabin depressurization, at cabin pressure altitudes above 10,000 feet up to and including 14,000 feet.
Sources: 121.135(a)(1); 121.329(c)(1); 121.333(a); 121.333(e)(2)
Interfaces: 3.1.3−op
17. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin at flight altitudes up to and including flight level 250, and cannot descend safely to a flight altitude of 14,000 feet within four minutes, to allow the personnel concerned to perform their duty and responsibility to provide not less than a 10−minute supply of oxygen for the passenger cabin occupants.
Sources: 121.135(a)(1); 121.333(a); 121.333(e)(2); 121.329(c)(1)
Interfaces: 3.1.3−op
18. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin at flight altitudes up to and including flight level 250, and cannot descend safely to a flight altitude of 14,000 feet within four minutes, to allow the personnel concerned to perform their duty and responsibility to provide enough oxygen for flights at cabin pressure altitudes above 14,000 feet, up to and including 15,000 feet, for that part of the flight at those altitudes for 30 percent of the passengers.
Sources: 121.135(a)(1); 121.333(a); 121.333(e)(2); 121.329(c)(2)
Interfaces: 3.1.3−op
19.

Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin at flight altitudes up to and including flight level 250, and cannot descend safely to a flight altitude of 14,000 feet within four minutes, to allow the personnel concerned to perform their duty and responsibility to provide enough oxygen for flights at cabin pressure altitudes above 15,000 feet for each passenger carried during the entire flight at those altitudes.
Sources: 121.135(a)(1); 121.333(a); 121.333(e)(2); 121.329(c)(3)
Interfaces: 3.1.3−op

20. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin at flight altitudes above flight level 250, to allow the personnel concerned to perform their duty and responsibility to provide oxygen for not less than 10 percent of the passenger cabin occupants for the entire flight after cabin depressurization, at cabin pressure altitudes above 10,000 feet up to and including 14,000 feet.
Sources: 121.135(a)(1); 121.333(a); 121.333(e)(2); 121.329(c)(1)
Interfaces: 3.1.3−op
21. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin at flight altitudes above flight level 250, to allow the personnel concerned to perform their duty and responsibility to provide not less than a 10−minute supply of oxygen for the passenger cabin occupants.
Sources: 121.135(a)(1); 121.333(a); 121.333(e)(2); 121.329(c)(1)
Interfaces: 3.1.3−op
22. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin at flight altitudes above flight level 250, to allow the personnel concerned to perform their duty and responsibility to provide enough oxygen for 30 percent of the passengers for that part of the flight where cabin pressure altitudes are above 14,000 feet, up to and including 15,000 feet.
Sources: 121.135(a)(1); 121.333(a); 121.333(e)(2); 121.329(c)(2)
Interfaces: 3.1.3−op
23. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin at flight altitudes above flight level 250 to allow the personnel concerned to perform their duty and responsibility to provide enough oxygen for each passenger carried at cabin pressure altitudes above 15,000 feet, during the entire flight at those altitudes.
Sources: 121.135(a)(1); 121.333(a); 121.333(e)(2); 121.329(c)(3)
Interfaces: 3.1.3−op
24. Check that the Certificate Holder's manual includes instructions and information necessary, when operating a turbine engine powered airplane with a pressurized cabin, following descent from cabin

pressure altitudes above flight level 250, for first−aid treatment of occupants who for physiological reasons might require undiluted oxygen, to allow the personnel concerned to perform their duty and responsibility to provide a supply of oxygen for two percent of the occupants for the entire flight after cabin depressurization at cabin pressure altitudes above 8,000 feet, but in no case to less than one person. *Sources:* 121.135(a)(1); 121.333(a); 121.333(e)(3) *Interfaces:* 3.1.3−op; 3.1.2−op	
1.10 Does the Certificate Holder's inspection program and its program covering other maintenance, preventive maintenance, and alterations ensure the airworthiness of the following equipment required if the Certificate Holder performs extended overwater operations:	
1.10.1 A life preserver or an approved flotation means equipped with an approved survivor locator light, for each occupant of the airplane? SRRs: 121.339(a)(1); 121.340(a) *Related Design JTI's:* 1. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended overwater operations, to allow the personnel concerned to perform their duty and responsibility to equip the airplane with a life preserver, which is equipped with an approved survivor locator light, for each occupant of the airplane. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(1) *Interfaces:* 3.1.2−op; 3.1.3−op; 1.1.1−aw 2. Check that the Certificate Holder's manual includes instructions and information necessary, when conducting extended overwater operations, to allow the personnel concerned to perform their duty and responsibility, to equip each passenger carrying airplane with life preserver/s that are readily accessible to the crew. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(1); 121.309(b)(2) *Interfaces:* 3.1.2−op; 3.1.3−op; 1.1.1−aw 3. Check that the Certificate Holder's manual includes instructions and information necessary, when conducting extended overwater operations, to allow the personnel concerned to perform their duty and responsibility, to equip each passenger carrying airplane with life preserver/s that, if carried in the passenger compartment, are readily accessible to passengers. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(1); 121.309(b)(2) *Interfaces:* 1.1.1−aw; 3.1.2−op 4. Check that the Certificate Holder's manual includes instructions and information necessary, when conducting extended overwater operations, to allow the personnel concerned to perform their duty and responsibility, to clearly identify each life preserver. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(1); 121.309(b)(3) *Interfaces:* 3.1.2−op; 3.1.3−op; 1.1.1−aw 5. Check that the Certificate Holder's manual includes instructions and information necessary, when conducting extended overwater operations, to allow the personnel concerned to perform their duty	☐ Yes ☐ No, Explain ☐ Not Applicable

and responsibility, to clearly mark each life preserver to indicate its method of operation.
Sources: 121.135(a)(1); 121.339(a); 121.339(a)(1); 121.309(b)(3)
Interfaces: 3.1.2−op; 3.1.3−op; 1.1.1−aw

6. Check that the Certificate Holder's manual includes instructions and information necessary, when conducting extended overwater operations, to allow the personnel concerned to perform their duty and responsibility, if life preservers are carried in a compartment or container, to mark the compartment or container as to contents.
Sources: 121.135(a)(1); 121.339(a); 121.339(a)(1); 121.309(b)(4)
Interfaces: 1.1.1−aw; 3.1.3−op; 3.1.2−op
7. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that, if life preservers are carried in a compartment or container, the compartment or container, or the life preservers themselves, are marked as to date of last inspection.
Sources: 121.367; 121.339(a)(1); 121.309(b)(4)
Interfaces: 1.1.1−aw; 3.1.3−op; 3.1.2−op
8. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, to have the required life preservers easily accessible in the event of a ditching without appreciable time for preparatory procedures.
Sources: 121.135(a)(1); 121.339(a); 121.339(b)
Interfaces: 3.1.3−op; 3.1.2−op; 1.1.1−aw
9. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, to have the required life preservers installed in conspicuously marked, approved locations.
Sources: 121.135(a)(1); 121.339(a); 121.339(b)
Interfaces: 3.1.3−op; 3.1.2−op; 1.1.1−aw
10. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility to equip the aircraft with life preservers or with an approved flotation means for each occupant.
Sources: 121.135(a)(1); 121.340(a)
Interfaces: 1.1.1−aw; 3.1.2−op; 3.1.3−op
11. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility to equip the aircraft with life preservers or with an approved flotation means within easy reach of each seated occupant and is readily removable from the airplane.
Sources: 121.135(a)(1); 121.340(a)
Interfaces: 1.1.1−aw; 3.1.2−op; 3.1.3−op

1.10.2 Enough life rafts (each equipped with an approved survivor locator light) of a rated capacity and buoyancy to accommodate the occupants of the airplane? SRRs: 121.339(a)(2) *Related Design JTI's:* 1. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that each airplane, when operating in extended over water operations, is equipped with enough life rafts of a rated capacity and buoyancy to accommodate the occupants of the airplane. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(2) *Interfaces:* 3.1.2−op; 3.1.3−op; 1.1.1−aw 2. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility to equip the airplane with enough life rafts that are readily accessible to the crew. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(2); 121.309(b)(2) *Interfaces:* 3.1.2−op; 1.1.1−aw 3. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility to equip the airplane with enough life rafts that, when carried in the passenger compartment, are readily accessible to passengers. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(2); 121.309(b)(2) *Interfaces:* 1.1.1−aw; 3.1.2−op 4. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, to clearly identify each life raft. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(2); 121.309(b)(3) *Interfaces:* 1.1.1−aw; 3.1.2−op 5. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, to clearly mark each life raft to indicate its method of operation. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(2); 121.309(b)(4) *Interfaces:* 3.1.2−op; 1.1.1−aw	☐ Yes ☐ No, Explain ☐ Not Applicable

6. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, if life rafts are carried in a compartment or container, to mark the compartment or container as to contents. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(2); 121.309(b)(4) *Interfaces:* 1.1.1−aw; 3.1.2−op 7. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that, if life rafts are carried in a compartment or container, the compartment or container, or the raft itself, is marked as to date of last inspection. *Sources:* 121.367; 121.339(a)(2); 121.309(b)(4) *Interfaces:* 1.1.1−aw 8. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, to have the required life rafts easily accessible in the event of a ditching without appreciable time for preparatory procedures. *Sources:* 121.135(a)(1); 121.339(a); 121.339(b) *Interfaces:* 3.1.3−op; 3.1.2−op; 1.1.1−aw 9. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, to have the required life rafts installed in conspicuously marked, approved locations. *Sources:* 121.135(a)(1); 121.339(a); 121.339(b) *Interfaces:* 1.1.1−aw; 3.1.3−op; 3.1.2−op	
1.10.3 At least one pyrotechnic signaling device for each life raft? SRRs: 121.339(a)(3) *Related Design JTI's:* 1. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility to equip each airplane with at least one pyrotechnic signaling device for each life raft. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(3) *Interfaces:* 3.1.2−op; 1.1.1−aw 2. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, to	☐ Yes ☐ No, Explain ☐ Not Applicable

equip the aircraft with a pyrotechnic signaling device for each life raft that is readily accessible to the crew.
Sources: 121.135(a)(1); 121.339(a); 121.339(a)(3); 121.309(b)(2)
Interfaces: 3.1.2−op; 1.1.1−aw

3. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, to equip the aircraft with a pyrotechnic signaling device for each life raft that, when located in the passenger compartment, is readily accessible to passengers.
Sources: 121.135(a)(1); 121.339(a); 121.339(a)(3); 121.309(b)(2)
Interfaces: 1.1.1−aw; 3.1.2−op
4. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, clearly identify the pyrotechnic signaling device for each life raft.
Sources: 121.135(a)(1); 121.339(a); 121.339(a)(3); 121.309(b)(3)
Interfaces: 1.1.1−aw; 3.1.2−op
5. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, to clearly mark the pyrotechnic signaling device for each life raft to indicate its method of operation.
Sources: 121.135(a)(1); 121.339(a); 121.339(a)(3); 121.309(b)(3)
Interfaces: 3.1.2−op; 1.1.1−aw
6. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, if pyrotechnic signaling devices are carried in a compartment or container, to mark the compartment or container as to contents.
Sources: 121.135(a)(1); 121.339(a); 121.339(a)(3); 121.309(b)(4)
Interfaces: 1.1.1−aw; 3.1.2−op
7. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that, if the pyrotechnic signaling device is carried in a compartment or container, the compartment or container, or the pyrotechnic signaling device itself is marked as to date of last inspection.
Sources: 121.367; 121.339(a)(3); 121.309(b)(4)

Interfaces: 1.1.1−aw	
1.10.4 An approved survival type emergency locator transmitter? SRRs: 121.339(a)(4) *Related Design JTI's:* 1. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, to equip the airplane with a survival type emergency locator transmitter. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(4) *Interfaces:* 3.1.2−op; 3.1.3−op; 1.1.1−aw 2. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, to equip the airplane with a survival type emergency locator transmitter that is readily accessible to the crew. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(4); 121.309(b)(2) *Interfaces:* 3.1.2−op; 3.1.3−op; 1.1.1−aw 3. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility to equip the airplane with a survival type emergency locator transmitter, that is readily accessible when located in the passenger compartment, to passengers. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(4); 121.309(b)(2) *Interfaces:* 1.1.1−aw; 3.1.2−op; 3.1.3−op 4. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility to clearly identify each survival type emergency locator transmitter. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(4); 121.309(b)(3) *Interfaces:* 1.1.1−aw; 3.1.3−op; 3.1.2−op 5. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility to clearly mark each survival type emergency locator transmitter to indicate its method of operation. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(4); 121.309(b)(3) *Interfaces:* 3.1.2−op; 3.1.3−op; 1.1.1−aw 6. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, if the survival type emergency locator transmitter is carried in a compartment or container, to mark the compartment or container as to contents. *Sources:* 121.135(a)(1); 121.339(a); 121.339(a)(4); 121.309(b)(4) *Interfaces:* 1.1.1−aw; 3.1.2−op; 3.1.3−op 7. Check that the Certificate Holder's inspection program and a	☐ Yes ☐ No, Explain ☐ Not Applicable

program covering other maintenance, preventive maintenance, and alterations ensures that, if the survival type emergency locator transmitter is carried in a compartment or container, the compartment or container, or the survival type emergency locator transmitter itself, is marked as to date of last inspection. *Sources:* 121.367; 121.339(a)(4); 121.309(b)(4) *Interfaces:* 1.1.1−aw 8. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, to have the required survival type emergency locator transmitter easily accessible in the event of a ditching without appreciable time for preparatory procedures. *Sources:* 121.135(a)(1); 121.339(a); 121.339(b) *Interfaces:* 1.1.1−aw; 3.1.2−op; 3.1.3−op 9. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, to have the required survival type emergency locator transmitter installed in a conspicuously marked, approved location. *Sources:* 121.135(a)(1); 121.339(a); 121.339(b) *Interfaces:* 1.1.1−aw; 3.1.2−op; 3.1.3−op	
1.10.5 A survival kit, appropriately equipped for the route to be flown? SRRs: 121.339(c) *Related Design JTI's:* 1. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility to attach a survival kit, appropriately equipped for the route to be flown, to each required life raft. *Sources:* 121.135(a)(1); 121.339(a); 121.339(c) *Interfaces:* 1.1.1−aw; 3.1.2−op 2. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility to equip the airplane with a survival kit that is readily accessible to the crew. *Sources:* 121.135(a)(1); 121.339(a); 121.339(c); 121.309(b)(2) *Interfaces:* 1.1.1−aw; 3.1.2−op 3. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility to equip the airplane with a survival kit that, when located in the passenger compartment, is readily accessible to the passengers. *Sources:* 121.135(a)(1); 121.339(a); 121.339(c); 121.309(b)(2) *Interfaces:* 3.1.2−op; 1.1.1−aw 4. Check that the Certificate Holder's manual includes instructions and	☐ Yes ☐ No, Explain ☐ Not Applicable

information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility to clearly identify each survival kit. *Sources:* 121.135(a)(1); 121.339(a); 121.339(c); 121.309(b)(3) *Interfaces:* 1.1.1−aw; 3.1.2−op	
5. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility to clearly mark each survival kit to indicate its method of operation. *Sources:* 121.135(a)(1); 121.339(a); 121.339(c); 121.309(b)(3) *Interfaces:* 1.1.1−aw; 3.1.2−op	
6. Check that the Certificate Holder's manual includes instructions and information necessary, when operating in extended over water operations, to allow the personnel concerned to perform their duty and responsibility, if the survival kit is carried in a compartment or container, to mark the compartment or container as to contents. *Sources:* 121.135(a)(1); 121.339(c); 121.309(b)(4) *Interfaces:* 3.1.2−op; 1.1.1−aw	
7. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that, if the survival kit is carried in a compartment or container the compartment or container, or the survival kit itself, is marked as to date of last inspection. *Sources:* 121.367; 121.309(b)(4); 121.339(c) *Interfaces:* 1.1.1−aw	
1.11 If the Certificate Holder operates its aircraft under VFR over routes that can be navigated by pilotage, does the Certificate Holder's inspection program and its program covering other maintenance, preventive maintenance, and alterations ensure the airworthiness of the radio equipment necessary under normal operating conditions to fulfill the following:	
1.11.1 Communicate with at least one appropriate ground station from any point on the route? SRRs: 121.347(a)(1)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.11.2 Communicate with appropriate traffic control facilities from any point within the lateral boundaries of the surface areas of Class B, Class C, Class D, or Class E airspace designated for an airport in which flights are intended? SRRs: 121.347(a)(2)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.11.3 Receive meteorological information from any point en route by either of two independent systems? SRRs: 121.347(a)(3)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.12 If the Certificate Holder operates its aircraft under VFR over routes that cannot be navigated by pilotage or for operations conducted under IFR or over−the−top, does the Certificate Holder's inspection program and program covering other maintenance, preventive maintenance, and alterations ensure the airworthiness of the two independent radio systems required to receive navigational signals from all primary en route and approach navigational facilities intended to be used?	☐ Yes ☐ No, Explain ☐ Not Applicable

SRRs: 121.349(a)	
1.13 If the Certificate Holder's aircraft are operated in extended overwater operations, does the Certificate Holder's inspection program, and program covering other maintenance, preventive maintenance and alterations ensure the airworthiness of the two long−range navigation systems required? SRRs: 121.351(a) *Related Design JTI's:* 1. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that, when conducting an extended overwater operations and VOR or ADF radio navigation equipment is unusable along a portion of the route, the airplane is equipped with two long−range navigation systems. *Sources:* 121.351(a); 121.367 *Interfaces:* 1.1.1−aw; 3.1.3−op 2. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that, when conducting a flag or supplemental operation or a domestic operation within the State of Alaska, the airplane is equipped with two long−range navigation systems. *Sources:* 121.351(b); 121.367 *Interfaces:* 1.1.1−aw; 3.1.3−op	☐ Yes ☐ No, Explain ☐ Not Applicable
1.14 If the Certificate Holder conducts flag or supplemental operations or conducts domestic operations within the States of Alaska or Hawaii over an uninhabited area or any other area that (in its operations specifications) the Administrator specifies required equipment for search and rescue in case of an emergency, does the Certificate Holder's inspection program and program covering other maintenance, preventive maintenance, and alterations ensure the airworthiness of the following equipment:	
1.14.1 Suitable pyrotechnic signaling devices? SRRs: 121.353(a) *Related Design JTI's:* 1. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform the duty and responsibility, when conducting a flag or supplemental operation or a domestic operation within the State of Hawaii, over an uninhabited area, to equip the airplane with a suitable pyrotechnic signaling device. *Sources:* 121.135(a)(1); 121.353(a) *Interfaces:* 1.1.1−aw; 3.1.2−op; 3.1.3−op 2. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform the duty and responsibility, when conducting a flag or supplemental operation or a domestic operation within the State of Alaska, over an uninhabited area, to equip the airplane	☐ Yes ☐ No, Explain ☐ Not Applicable

with a suitable pyrotechnic signaling device. *Sources:* 121.135(a)(1); 121.353(a) *Interfaces:* 3.1.3−op; 3.1.2−op; 1.1.1−aw 3. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform the duty and responsibility, when conducting a flag or supplemental operation or a domestic operation over any area that the Administrator specifies, in the Certificate Holders operations specifications, equipment needed for search and rescue in case of an emergency, to equip the airplane with a suitable pyrotechnic signaling device. *Sources:* 121.135(a)(1); 121.353(a) *Interfaces:* 1.1.1−aw; 3.1.2−op; 3.1.3−op	
1.14.2 An approved survival type emergency locator transmitter? SRRs: 121.353(b) *Related Design JTI's:* 1. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform the duty and responsibility, when conducting a flag or supplemental operation or a domestic operation within the State of Hawaii over an uninhabited area, to equip the airplane with an approved survival type emergency locator transmitter. *Sources:* 121.135(a)(1); 121.353(b) *Interfaces:* 1.1.1−aw; 3.1.3−op; 3.1.2−op 2. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform the duty and responsibility, when conducting a flag or supplemental operation or a domestic operation within the State of Alaska, over an uninhabited area, to equip the airplane with an approved survival type emergency locator transmitter. *Sources:* 121.135(a)(1); 121.353(b) *Interfaces:* 3.1.2−op; 3.1.3−op; 1.1.1−aw 3. Check that the Certificate Holder's inspection program and a program covering other maintenance, preventive maintenance, and alterations ensures that, when conducting a flag, supplemental or a domestic operation over any area that the Administrator specifies, in the Certificate Holders operations specifications, required equipment for search and rescue in case of an emergency, to equip the airplane with an approved survival type emergency locator transmitter. *Sources:* 121.135(a)(1); 121.353(b) *Interfaces:* 3.1.3−op; 3.1.2−op; 1.1.1−aw	☐ Yes ☐ No, Explain ☐ Not Applicable

1.14.3 Enough survival kits, appropriately equipped for the route to be flown for the number of occupants of the airplane? SRRs: 121.353(c) *Related Design JTI's:* 1. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform the duty and responsibility, when conducting a flag, supplemental or a domestic operation within the State of Hawaii over an uninhabited area, to have on the airplane enough survival kits, appropriately equipped for the route to be flown, for the number of occupants of the airplane. *Sources:* 121.135(a)(1); 121.353(c) *Interfaces:* 1.1.1−aw; 3.1.3−op; 3.1.2−op 2. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform the duty and responsibility, when conducting a flag, supplemental or a domestic operation within the State of Alaska, over an uninhabited area, to have on the airplane enough survival kits, appropriately equipped for the route to be flown, for the number of occupants of the airplane. *Sources:* 121.135(a)(1); 121.353(c) *Interfaces:* 1.1.1−aw; 3.1.2−op; 3.1.3−op 3. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform the duty and responsibility, when conducting a flag, supplemental or a domestic operation over any area that the Administrator specifies, in the Certificate Holders operations specifications, required equipment for search and rescue in case of an emergency, the airplane has enough survival kits, appropriately equipped for the route to be flown, for the number of occupants of the airplane. *Sources:* 121.135(a)(1); 121.353(c) *Interfaces:* 3.1.2−op; 3.1.3−op; 1.1.1−aw	☐ Yes ☐ No, Explain ☐ Not Applicable
1.15 Does the Certificate Holder's Appropriate Operational Equipment process comply with the related requirements of 14 CFR Section 121.337? Related CFRs: 121.337(b); 121.337(b)(8); 121.337(b)(9)(i); 121.337(b)(9)(iii); 121.337(b)(9)(ii) *Related Design JTI's:* 1. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to provide protective breathing equipment (PBE), for smoke and fume protection, with a fixed or portable breathing gas supply that is conveniently located on the flight deck, and is easily accessible for immediate use by each required flight crewmember at his or her assigned duty station. *Sources:* 121.135(a)(1); 121.337(b); 121.337(b)(8)	☐ Yes ☐ No, Explain

Interfaces: 1.1.1−aw; 3.1.3−op 2. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to provide one PBE, with a portable breathing gas supply for each hand fire extinguisher for use in a galley, other than a galley located in a passenger, cargo, or crew compartment, that is easily accessible and conveniently located for immediate use by crewmembers in combating fires. *Sources:* 121.135(a)(1); 121.337(b); 121.337(b)(9)(i) *Interfaces:* 3.1.3−op; 1.1.1−aw 3. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to provide one PBE, with a portable breathing gas supply, that is easily accessible and conveniently located on the flight deck for immediate use by crewmembers in combating fires. *Sources:* 121.135(a)(1); 121.337(b); 121.337(b)(9)(ii) *Interfaces:* 1.1.1−aw; 3.1.3−op 4. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to provide one PBE, with a portable breathing gas supply that is easily accessible and located in each passenger compartment within 3 feet of each hand fire extinguisher for immediate use by crewmembers in combating fires. *Sources:* 121.135(a)(1); 121.337(b); 121.337(b)(9)(iii) *Interfaces:* 1.1.1−aw; 3.1.3−op	
1.16 Does the Certificate Holder's Appropriate Operational Equipment process comply with the requirements of 14 CFR Section 121.571? Related CFRs: 121.571(b)(1); 121.571(b)(2) *Related Design JTI's:* 1. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to carry on each passenger−carrying airplane, in convenient locations for use of each passenger, printed cards supplementing the oral briefing and containing diagrams of, and methods of operating, the emergency exits, pertinent only to the type and model airplane used for that flight. *Sources:* 121.135(a)(1); 121.571(b)(1); 121.571(b)(2) *Interfaces:* 3.1.2−op; 3.1.6−op 2. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to carry on each passenger−carrying airplane, in convenient locations for use of each passenger, printed cards supplementing the oral briefing and containing other instructions necessary for use of emergency equipment, pertinent only to the type and model airplane used for that flight. *Sources:* 121.135(a)(1); 121.571(b)(2) *Interfaces:* 3.1.2−op	☐ Yes ☐ No, Explain

1.17 Does the Certificate Holder's Appropriate Operational Equipment process comply with the requirements of 14 CFR Section 121.585? Related CFRs: 121.585(d) *Related Design JTI's:* 1. Check that the Certificate Holder's manual includes instructions and information necessary to allow the personnel concerned to perform their duty and responsibility, to provide passenger information cards, presented in the language in which briefings and oral commands are given by the crew, at each exit seat affected by this section, that includes information that a passenger occupying an exit seat may use if called upon. *Sources:* 121.135(a)(1); 121.585(d) *Interfaces:* 3.1.2−op; 3.1.6−op	☐ Yes ☐ No, Explain
1.18 Does the Certificate Holder's Appropriate Operational Equipment process comply with the guidance contained in FAA Advisory Circular AC 121−24B? *Related Design JTI's:* 1. Check that the Certificate Holders instructions and information regarding operations conducted under part 121 where flight attendants are not used, includes supplementing oral briefings with briefing cards, consistent with the airline's procedures, pertinent only to that type and model of aircraft. *Sources:* AC 121.24B Appendix 2 Paragraph 2 *Interfaces:* 3.1.3−op 2. Check that the Certificate Holders instructions and information regarding operations conducted under part 121 where flight attendants are not used, includes supplementing oral briefings with briefing cards, consistent with the airline's procedures, specific to that aircraft, when aircraft equipment is substantially different within the same model. *Sources:* AC 121.24B Appendix 2 Paragraph 2 *Interfaces:* 3.1.3−op	☐ Yes ☐ No, Explain
1.19 Does the Certificate Holder's Appropriate Operational Equipment process comply with the guidance contained in FAA Advisory Circular AC 120−28D? *Related Design JTI's:* 1. Check that the Certificate Holders instructions and information regarding category II or category III operations, ensures that the aircraft system status is placarded, in coordination with maintenance control, engineering, flight operations, and dispatch, or equivalent. *Sources:* AC 120−28D Paragraph 9.2 (11) *Interfaces:* 3.1.3−op; 1.1.1−aw; 3.2.1−op 2. Check that the Certificate Holders instructions and information regarding category II or category III operations, ensures that the	☐ Yes ☐ No, Explain

aircraft system status is properly and clearly documented in the aircraft log book in coordination with maintenance control, engineering, flight operations, and dispatch, or equivalent. *Sources:* AC 120−28D Paragraph 9.2 (11) *Interfaces:* 3.2.1−op; 3.1.3−op; 1.1.1−aw	

SAI SECTION 1 − PROCEDURES ATTRIBUTE −Drop Down Menu
1. No procedures, policy, instructions or information specified.
2. Procedures or instructions and information do not identify (who, what, when, where, how).
3. Procedures, policy or instructions and information do not comply with CFR.
4. Procedures, policy or instructions and information do not comply with FAA policy and guidance.
5. Procedures, policy or instructions and information do not comply with other documentation (e.g., manufacturer's data, Jeppesen's Charts, etc.).
6. Procedures, policy or instructions and information unclear or incomplete.
7. Documentation quality (e.g., unreadable or illegible).
8. Procedures, policy or instructions and information inconsistent across Certificate Holder manuals (FOM − Flight Operations Manual to GMM − General Maintenance Manual, etc.).
9. Procedures, policy or instructions and information inconsistent across media (e.g., paper, microfiche, electronic).
10. Resource requirements incomplete (personnel, facilities, equipment, technical data).
11. Other.

SAI SECTION 2 − CONTROLS ATTRIBUTE		
Objective: Controls are checks and restraints designed into a process to ensure a desired result. The questions in this section of the data collection tool are designed to assist the inspector in determining if checks and restraints are designed into the process to ensure the desired result is achieved. Controls should be written into the manual system to ensure that the most important manual policies, procedures or instructions and information will be complied with. Controls may be in the form of "administrative controls" which are secondary or supplemental written procedures. Like written procedures, administrative controls also need to provide answers to the associated who, what, when, where and how type questions. Controls may also be in the form of "engineered controls" such as automated features or mechanical actions or devices (i.e., safety devices, warning devices, etc.).		
Tasks		
	To meet this objective, the inspector must accomplish the following tasks:	
1	Review the control questions below.	
2	Review the Certificate Holder's policies, procedures, instructions and information to gain an understanding of the controls that it has documented.	
Questions		
	To meet this objective, the inspector must answer the following questions:	
2.	Are the following controls built into the Appropriate Operational Equipment process:	
2.1	Is there a control in place to ensure that the Certificate Holder's aircraft have the specified required operational equipment for the intended route?	☐ Yes ☐ No, Explain
2.2	Is there a control in place to ensure that the Certificate Holder's aircraft contain appropriately maintained and specified operational equipment in a readily accessible location to the crew?	☐ Yes ☐ No, Explain
2.3	Is there a control in place to ensure that the Certificate Holder's aircraft contain appropriately maintained and specified operational equipment in a readily accessible location to the passengers when they are aboard the aircraft?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.4	Is there a control in place to ensure when the Certificate Holder operates its aircraft in extended over water operations that the required equipment is on board the aircraft and in airworthy condition?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.5	Does the Certificate Holder have a documented method for assessing the impact of any changes made to the controls in the Appropriate Operational Equipment process?	☐ Yes ☐ No, Explain

SAI SECTION 2 − CONTROLS ATTRIBUTE −Drop Down Menu
1. No controls specified.
2. Documentation for the controls do not identify (who, what, when, where, how).
3. Controls incomplete.
4. Controls could be circumvented.
5. Controls could be unenforceable.
6. Resource requirements incomplete (personnel, facilities, equipment, technical data).
7. Other.

SAI SECTION 3 − PROCESS MEASUREMENT ATTRIBUTE		
Objective: Process measurements are used by the Certificate Holder to measure and assess its processes to identify and correct problems or potential problems and to make improvements to the processes. The questions in this section of the data collection tool are designed to assist the inspector in determining if the Certificate Holder measures or assesses information to identify, analyze and document potential problems with the process. Process measurements are basically a Certificate Holder's internal evaluation or auditing of the most important policies, procedures or instructions and information associated with an element. To prevent the duplication of work that would otherwise occur, Process Measurements are most commonly addressed through a combination of auditing features contained in both the Certificate Holder's Safety Program/Internal Evaluation Program (for Operations and Cabin Safety related issues) and the auditing function of the Continuous Analysis &Surveillance System (for Airworthiness or Maintenance/Inspection related issues). The Director of Safety and the Quality Assurance Department often work in conjunction to accomplish this function for the Certificate Holder. This approach simply requires amendment of the Safety Program/Internal Evaluation Program audit forms or checklists and the Continuous Analysis &Surveillance System audit forms or checklists to include the specific process measurements for each element.		
Tasks		
	To meet this objective, the inspector must accomplish the following tasks:	
1	Review the process measurement questions below.	
2	Review the Certificate Holder's policies, procedures, instructions and information to gain an understanding of the process measurements that it has documented.	
Questions		
	To meet this objective, the inspector must answer the following questions:	
3.	Does the Certificate Holder's Appropriate Operational Equipment process include the following process measurements:	
3.1	Process measurements that would reveal that the Certificate Holder's aircraft failed to have the specified required operational equipment for the intended route?	☐ Yes ☐ No, Explain
3.2	Process measurements that would reveal that the Certificate Holder's aircraft failed to have appropriately maintained and specified operational equipment in a readily accessible location to the crew?	☐ Yes ☐ No, Explain
3.3	Process measurements that would reveal that the Certificate Holder's aircraft failed to have appropriately maintained and specified operational equipment in a readily accessible location to the passengers when they are aboard the aircraft?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.4	Process measurements that would reveal if the Certificate Holder operated its aircraft in extended overwater operations in which the required equipment on board the aircraft had failed to be maintained in an airworthy condition?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.5	Does the Certificate Holder document its process measurement methods and results?	☐ Yes ☐ No, Explain
3.6	Does the organization that conducts the process measurements have direct access to the person with responsibility for the Appropriate Operational Equipment process?	☐ Yes ☐ No, Explain

SAI SECTION 3 − PROCESS MEASUREMENT ATTRIBUTE −Drop Down Menu
1. No process measurements specified.
2. Documentation for the process measurements does not identify (who, what, when, where, how).
3. Inability to identify negative findings.
4. No provisions for implementing corrective actions.
5. Ineffective follow−up to determine effectiveness of corrective actions.
6. Resources requirements (personnel, facilities, equipment, technical data).
7. Other.

SAI SECTION 4 − INTERFACES ATTRIBUTE		
Objective: Interfaces are used by the Certificate Holder to identify and manage the interactions between processes. The questions in this section of the data collection tool are designed to assist the inspector in determining whether or not interactions between the procedures, policies or instructions and information associated with other independent processes within the Certificate Holder's organization are documented. Written procedures, policies or instructions and information that are interrelated and located in different manuals within the Certificate Holder's manual system need to be consistent and complement each other. For the interfaces to be effectively managed, it is not only important to identify what the interfaces are, but it is imperative to document the specific location of the interfaces within the Certificate Holder's manual system.		
Tasks		
	To meet this objective, the inspector must accomplish the following tasks:	
1	Review the interfaces associated with the Appropriate Operational Equipment process that have been identified along with the individual questions in the Procedures Section (1) of this data collection tool.	
2	Review the Certificate Holder's policies, procedures, instructions and information to gain an understanding of the interfaces that it has documented.	
Questions		
	To meet this objective, the inspector must answer the following questions: NOTE: ALL EXPLANATIONS IN THE DROP DOWN MENU FOR "NO" ANSWERS MUST INCLUDE THE INDIVIDUAL QUESTION NUMBER FROM THE PROCEDURES SECTION (1) OF THIS DATA COLLECTION TOOL AND THE ELEMENT NUMBER(S) OF THE INTERFACE(S) THAT WERE NOT ADDRESSED.	
4.	Does the Certificate Holder's manual:	
4.1	Properly address the interfaces that are identified along with the individual questions in the Procedures Section (1)?	☐ Yes ☐ No, Explain
4.2	Document a method for assessing the impact of any changes to the associated interfaces within the Appropriate Operational Equipment process?	☐ Yes ☐ No, Explain
4.3	List additional interfaces identified during the accomplishment of this SAI.	

SAI SECTION 4 − INTERFACES ATTRIBUTE −Drop Down Menu
1. No interfaces specified.
2. The following interfaces not identified within the Certificate Holder's manual system:
3. Interfaces listed are inaccurate.
4. Specific location of interfaces not identified within the manual system.
5. Other

SAI SECTION 5 − MANAGEMENT RESPONSIBILITY & AUTHORITY ATTRIBUTE	
Objective: The questions in this section of the data collection tool address the responsibility and authority of the process. They are designed to assist the inspector in determining if there is a clearly identifiable, qualified and knowledgeable person who is responsible for the process, is answerable for the quality of the process and has the authority to establish and modify the process. (The person with the authority may or may not be the person with the responsibility.)	
Tasks	
To meet this objective, the inspector must accomplish the following tasks:	
1 Identify the person who has overall responsibility for the Appropriate Operational Equipment process.	
2 Identify the person who has overall authority for the Appropriate Operational Equipment process.	
3 Review the duties and responsibilities of the person(s), documented in the Certificate Holder's manual.	
4 Review the appropriate organizational chart.	
Questions	
To meet this objective, the inspector must answer the following questions:	
5. Are the following aspects of the Management Responsibility and Authority Attributes addressed in the Appropriate Operational Equipment process:	
5.1 Does the Certificate Holder's manual clearly identify who is responsible for the quality of the Appropriate Operational Equipment process?	☐ Yes ☐ No, Explain Name/Title:
5.2 Does the Certificate Holder's manual clearly identify who has authority to establish and modify the policies, procedures, instructions and information for the Appropriate Operational Equipment process?	☐ Yes ☐ No, Explain Name/Title:
5.3 Does the Certificate Holder's manual include the duties and responsibilities of those who manage the work required by the Appropriate Operational Equipment process? SRRs: 121.135(b)(2)	☐ Yes ☐ No, Explain
5.4 Does the Certificate Holder's manual include instructions and information for those who manage the work required by the Appropriate Operational Equipment process? SRRs: 121.135(a)(1)	☐ Yes ☐ No, Explain
5.5 Does the Certificate Holder's manual clearly and completely document the authority for this position?	☐ Yes ☐ No, Explain
5.6 Does the Certificate Holder's manual clearly and completely document their qualification standards for the person having responsibility for the Appropriate Operational Equipment process?	☐ Yes ☐ No, Explain
5.7 Does the Certificate Holder's manual clearly and completely document their qualification standards for the person having authority to establish and modify the Certificate Holder's policies, procedures, instructions and information for the Appropriate Operational Equipment process?	☐ Yes ☐ No, Explain

5.8	Does the Certificate Holder's manual clearly and completely document the procedures for delegation of authority for the Appropriate Operational Equipment process?	☐ Yes ☐ No, Explain

SAI SECTION 5 − MANAGEMENT RESPONSIBILITY & AUTHORITY ATTRIBUTE −Drop Down Menu
1. Not documented.
2. Documentation unclear.
3. Documentation incomplete.
4. Other.